

**METHOD OF OPTIMIZING PRODUCTION OF
GAS FROM VERTICAL WELLS IN COAL SEAMS**

ABSTRACT

The present invention is directed to a method for producing gas from a subterranean formation containing a coal seam. The method includes the steps of drilling a substantially vertical well bore into the subterranean formation, which intersects the coal seam and fracturing the coal seam using a hydrajetting tool to produce at least one pair of opposed bi-wing fractures substantially along a plane of maximum stress. One or more horizontal well bores may also be drilled into the coal seam along which the coal seam can be further fractured.